



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/731,596  
Filed: December 9, 2003  
Inventor(s):  
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Celso Axelrud, and Kadir Liano

§  
§ Examiner: Unknown  
§ Group/Art Unit: 2879  
§ Atty. Dkt. No: 5650-03600  
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Title: SYSTEM AND METHOD  
OF APPLYING ADAPTIVE  
CONTROL TO THE  
CONTROL OF PARTICLE  
ACCELERATORS WITH  
VARYING DYNAMICS  
BEHAVIORAL  
CHARACTERISTICS  
USING A NONLINEAR  
MODEL PREDICTIVE  
CONTROL TECHNOLOGY

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Jeffrey C. Hood

*[Signature]*

Signature

3/14/2005

Date

**POWER OF ATTORNEY BY ASSIGNEE  
AND REVOCATION OF PREVIOUS POWERS**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir/Madam:

PAVILION TECHNOLOGIES, INC., ("assignee"), a Delaware corporation having a place of business at 10415 Morado Circle, Building III, Suite 100, Austin, Texas 78758-5638, certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patent and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee's ownership of the above-referenced patent or patent application is indicated by the assignment(s) recorded at reel 014786/frame 0918, which are filed with the U.S. Patent and Trademark Office.

Pursuant to 37 C.F.R. §1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints **the practitioners at Customer Number 35690**, and:

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each an attorney or agent of the firm of MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C., as its attorney or agent for so long as they remain with such firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive any Letters Patent.

Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Please direct all communications as follows:

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Dated: March 8, 2005

By: Ralph T. Carter  
Name: Ralph T. Carter  
Title: President and CEO